

CERTIFIED ISO 50001 LEAD IMPLEMENTER



MASTERING THE IMPLEMENTATION AND MANAGEMENT OF ENERGY MANAGEMENT SYSTEM (ENMS) BASED ON ISO 50001

SUMMARY

This five-day intensive course enables the participants to develop the necessary expertise to support an organization in implementing and managing Energy Management System (EnMS) based on ISO 50001. Participants will also gain a thorough understanding of best practices used to implement energy performance based on requirements from ISO 50001. Training is based on the management system model of continual improvement also used for other well-known standards such as ISO 9001 or ISO 14001. This way, organizations can easily integrate energy management into their general efforts to improve quality and environmental management and it supports organizations in all sectors to use energy more efficiently, through the development of an energy management system (EnMS).

WHO SHOULD ATTEND?

- ▶ Project managers or consultants wanting to prepare and to support an organization in the implementation of Energy Management System (EnMS)
- ▶ Management representatives
- ▶ Energy executives
- ▶ ISO 50001 auditors who wish to fully understand the Energy Management System implementation process
- ▶ Individuals responsible for the Energy or conformity in an organization
- ▶ Members of energy team
- ▶ Expert advisors in Energy Management Systems
- ▶ Technical experts wanting to prepare for energy function or for EnMS project management function

COURSE AGENDA

DURATION: 5 DAYS

DAY 1

Introduction to ISO 50001 and initiation of Energy Management System (EnMS)

- ▶ Introduction to management systems and the process approach
- ▶ Standard and regulatory structure
- ▶ Initiating the EnMS implementation
- ▶ Understanding the organization
- ▶ Analysis of the existing management system
- ▶ Leadership and project approval

DAY 2

Planning the Energy Management System

- ▶ Definition of energy scope boundaries and Energy Policy
- ▶ Energy planning
- ▶ Legal and other requirements
- ▶ Objectives, targets and action plan
- ▶ Managing resources for EnMS and control of documents
- ▶ Control, procedures and design in EnMS

DAY 3

Implementing and monitoring EnMS based on ISO 50001

- ▶ Procuring process
- ▶ Development of a training & awareness program and communicating about the energy
- ▶ Operational control
- ▶ Monitoring, measuring, analysis and evaluation of energy performance
- ▶ Evaluation of compliance with legal and other requirements

DAY 4

EnMS reviewing, continuous improvement and the certification audit of a EnMS in accordance with ISO 50001

- ▶ ISO 50001 internal audit
- ▶ Management review of EnMS
- ▶ Treatment of problems and nonconformities
- ▶ Preparing for an ISO 50001 certification audit
- ▶ Competence and evaluation of implementers

DAY 5

Certification Exam

- ▶ PECB's 3 Hour Certified ISO 50001 Lead Implementer Exam is available in different languages. The candidates who do not pass the exam will be able to retake it for free within 12 months from the initial exam date.



EXAMINATION

- ▶ The “Certified ISO 50001 Lead Implementer” exam fully meets the requirements of the PECB Examination and Certification Program (ECP). The exam covers the following competence domains:
 - » Domain 1: Fundamental energy principles and concepts
 - » Domain 2: Planning EnMS based on ISO 50001
 - » Domain 3: Implementing EnMS based on ISO 50001
 - » Domain 4: Energy management best practices based on ISO 50001
 - » Domain 5: Performance evaluation, monitoring and measurement of an EnMS based on ISO 50001
 - » Domain 6: Continual improvement of EnMS based on ISO 50001
 - » Domain 7: Preparing for an EnMS certification audit
- ▶ For more information about the exam, please visit: www.rcertsea.com

CERTIFICATION

- ▶ After successfully completing the exam, the participants can apply for the credentials of Certified ISO 50001 Provisional Implementer, Certified ISO 50001 Implementer or Certified ISO 50001 Lead Implementer, depending on their level of experience
- ▶ A certificate will be issued to participants who successfully pass the exam and comply with all the other requirements related to the selected credential:

Credential	Exam	Professional Experience	EnMS Audit Experience	EnMS Project Experience	Other Requirements
ISO 50001 Provisional Implementer	ISO 50001 Lead Implementer Exam	None	None	None	Signing the PECB code of ethics
ISO 50001 Implementer	ISO 50001 Lead Implementer Exam	Two years One year of Energy Management System work experience	None	Project activities totaling 200 hours	Signing the PECB code of ethics
ISO 50001 Lead Implementer	ISO 50001 Lead Implementer Exam	Five years Two years of Energy Management System work experience	None	Project activities totaling 300 hours	Signing the PECB code of ethics

GENERAL INFORMATION

- ▶ Certification fees are included in the exam price
- ▶ Participant manual contains over 450 pages of information and practical examples
- ▶ A participation certificate of 31 CPD (Continuing Professional Development) credits will be issued to the participants



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